

TRANsmitter for inSPIRE (TRANSPIRE)

A Candidate 2003 NASA Academy Group Project

Project Description

- TRANSPIRE will study, design, develop, and fly an audio frequency radio transmitter
- The transmitted waves will be received with INSPIRE receivers on the ground
- Starting with the scientific requirements, NASA Academy students will
 - Perform tradeoff studies
 - Design a transmitter
 - Build the instrumentation
 - Plan its operation on ISS
 - Coordinate observations
- The 2003 Academy summer project will start the project that will continue on individual and group basis

